



AMENDMENT

Please amend the application, without prejudice, as follows:

In the claims:

Amend claims 1, 6, 7, 9, and 10 as follows. Marked-up copies of the amended claims are provided on page 12 of this response.

1. (Amended) A device for generating a magnetic field moving in at least one magnetic field plane located in a given medium and in which the vector product of the intensity of the magnetic field by its natural displacement velocity creates stereochemical deformations in the molecules of said given medium;

said device comprising: at least a first means for generating a first magnetic field and a second means for generating a second magnetic field placed in each magnetic field plane, the directions of said first and second magnetic fields subtending between them a predefined angle and at least one of said first and second magnetic fields being of an amplitude which can be varied over time so that the resultant of said first and second magnetic fields is a magnetic field moving in said field plane having an amplitude which is variable over time and a direction moving at a variable angular velocity so as to obtain as high a gradient as possible of said vector product.

6. (Twice amended) A device as claimed in claim 1, in which said given medium is a fluid flowing through a pipe, said first and second means for generating a magnetic field being disposed on the exterior of said pipe.

7. (Twice amended) A device as claimed in claim 1, in which said given medium is a fluid flowing through a pipe, said first and second means for generating a magnetic field being disposed inside said pipe.

9. (Twice amended) A device as claimed in claim 1, having several parallel magnetic field planes.

10. (Twice amended) A device as claimed in claim 1, in which said means for generating a magnetic field of variable amplitude comprises a pair of coils having a core of a ferromagnetic substance to close the magnetic fields generated by said coils, said core optionally being U-shaped, in which case the magnetic field generated occurs in two parallel planes, or E-shaped in which case the magnetic field generated occurs in three parallel planes.

Insert the following new claims 13-18

1 13. A device for generating a magnetic field moving in a medium, wherein the magnetic field creates stereochemical deformations in the molecules of said medium in dependence on the vector product of the intensity of the magnetic field by its velocity, said device comprising:

a first source for generating a first magnetic field;

B 4 a second source for generating a second magnetic field, said first and second magnetic fields lying in the same magnetic field plane and subtending between them a predefined angle;

at least one of said first and second magnetic fields being of an amplitude which can be varied over time so that the resultant of said first and second magnetic fields is a magnetic field moving in said field plane having an amplitude which is variable over time and having a direction moving at a variable angular velocity, so that said vector product varies over time.

2 14. A device according to claim 13, wherein said first source for generating said first magnetic field is a permanent magnet or a pair of permanent magnets, and said second source for generating said second magnetic field is a coil or a pair of coils to which is applied a current the intensity of which is varied over time so that said resultant magnetic field is a moving magnetic field oscillating between two positions corresponding to two maxima of the absolute value of the current flowing through said coil or pair of coils.

3 15. A device according to claim 13, wherein said first source for generating said first magnetic field is a first coil or pair of coils, said second source for generating said second magnetic field is a second coil or pair of coils, and the currents applied to each said coil or pair of coils are of variable magnitudes or frequencies and bear no relation to each other.

4 16. A device according to claim 15, wherein the current applied to said first coil or pair of coils and the current applied to said second coil or pair of coils are sinusoidal currents of the same frequency but different amplitudes and are 90° apart in phase.

5 17. A device according to claim 15, wherein the current applied to said first coil or pair of coils and the current applied to said second coil or pair of coils are sinusoidal currents of the same amplitude but different frequencies.

b4 8 18. A device according to claim 13, wherein said medium is a fluid flowing through a pipe, and wherein said magnetic field plane forms an angle of between 45° and 90° with the direction of flow of said fluid.
